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	Application No.	Applicant(s)	(
Notice of Allowability	10/072,629	HSU ET AL.	
	Examiner	Art Unit	
	Therese Barber	2882	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.37 1. This communication is responsive to 17 October 2003. 2. The allowed claim(s) is/are 16-38 and 44-51. 3. The drawings filed on 3 June 2002 are accepted by the E 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority d	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is so 13 and MPEP 1308. Examiner. Inder 35 U.S.C. § 119(a)-(d) or we been received. We been received in Application in the source of the source o	this application. If not inclunication will be mailed in duubject to withdrawal from isset (f).	ded e course. THIS sue at the initiative
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
 5. Acknowledgment is made of a claim for domestic priority (a) The translation of the foreign language provisional 			
6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the comply will result in ABANDONMENT of the complex of	f this application. THIS THRE mitted. Note the attached EXA	EE-MONTH PERIOD IS NO MINER'S AMENDMENT or	TEXTENDABLE
 8. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftspe 1) ☐ hereto or 2) ☐ to Paper No. 	erson's Patent Drawing Review	(PTO-948) attached	
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.			
(c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR each sheet.	1.84(c)) should be written on the	e drawings in the front (not th	e back) of
9. DEPOSIT OF and/or INFORMATION about the department of the depa	osit of BIOLOGICAL MATE THE DEPOSIT OF BIOLOGIC	RIAL must be submitted. AL MATERIAL.	Note the
Attachment(s)			
1☑ Notice of References Cited (PTO-892) 3□ Notice of Draftperson's Patent Drawing Review (PTO-948) 5☑ Information Disclosure Statements (PTO-1449), Paper No.4 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4□ Interview 5 <u>4</u> 43 6□ Examiner	Informal Patent Application Summary (PTO-413), Pape 's Amendment/Comment 's Statement of Reasons for	r No

DETAILED ACTION

Drawings

1. The drawings were received on 3 June 2002. The examiner accepts these drawings.

Allowable Subject Matter

- 2. Claims 16-38 and 44-51 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

Regarding claims 16-22, the claims are allowable over the prior art of record for at least the reason that the prior art fails to teach or to reasonably suggest an optical device having a first light guiding structure mounted to a fixed structure; a second light guiding structure mounted to the movable structure; and the fixed structure including a base and an overhang portion having dimensions such that when the optical device is subject to a thermal distortion, the ends of the first and second light guiding structures maintain alignment with each other to be capable of propagating an optical signal, as set forth in the claimed combination.

Regarding claims 23-32, the claims are allowable over the prior art of record for at least the reason that the prior art fails to teach or to reasonably suggest an optical device having a first light guiding structure mounted to a fixed structure; a second light guiding structure mounted to the movable structure; wherein the ends of the first and second light guiding structures are aligned and the ends of the first and second light guiding structures are configured to maintain

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alignment with each other in the presence of thermal distortion so that the first and second light guiding structure can propagate an optical signal, as set forth in the claimed combination.

Regarding claims 34-38, the claims are allowable over the prior art of record for at least the reason that the prior art fails to teach or to reasonably suggest an optical device having a first light guiding structure mounted to a fixed structure; a second light guiding structure mounted to a movable structure wherein the ends of the first and second light guiding structures are aligned; a third light guiding structure formed on the second light guiding structure; and the ends of the first and second light guiding structures maintain alignment with each other in the presence of thermal distortion so that the first and second light guiding structure can propagate an optical signal, as set forth in the claimed combination.

Regarding claims 44-51, the claims are allowable over the prior art of record for at least the reason that the prior art fails to teach or to reasonably suggest an optical device having a suspended structure having a first and a second surfaces on the opposite sides, wherein a light guiding structure is disposed on the first surface of the suspended structure and a thermal distortion offset structure formed on the second surface of the suspended structure, the thermal distortion offset structure configured to counteract a thermal distortion to the first surface of the suspended structure, as set forth in the claimed combination.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue Application/Control Number: 10/072,629

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion



- 4. It is noted that the applicants cancelled claims 1-15 and 39-43 in the Election/Response filed on 6 May 2003.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Labeye (USPN 5,612,815) discloses an optomechanical device comprised of an integrated optics guiding structure having a fixed part and a mobile part, wherein fixing arms connected the mobile part to the fixed part, in order, to permit switching of a light beam from an input microguide(s) to one of the output microguide(s).

Labeye (USPN 5,848,206) discloses an optical device that can be utilized in optomechanical or micromechanical systems comprised of two compensating arms that are rigid in the vertical direction and flexible in the horizontal direction in order to limit the deformations of the light beam.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Therese Barber whose telephone number is (571) 272-2486. The examiner can normally be reached on Monday to Friday from 8:30 a.m. to 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on (571) 272-2490. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4900.

9 January 2004

EDWARD J. GLICK
SUPERVISORY PATENT EXAMINATE